

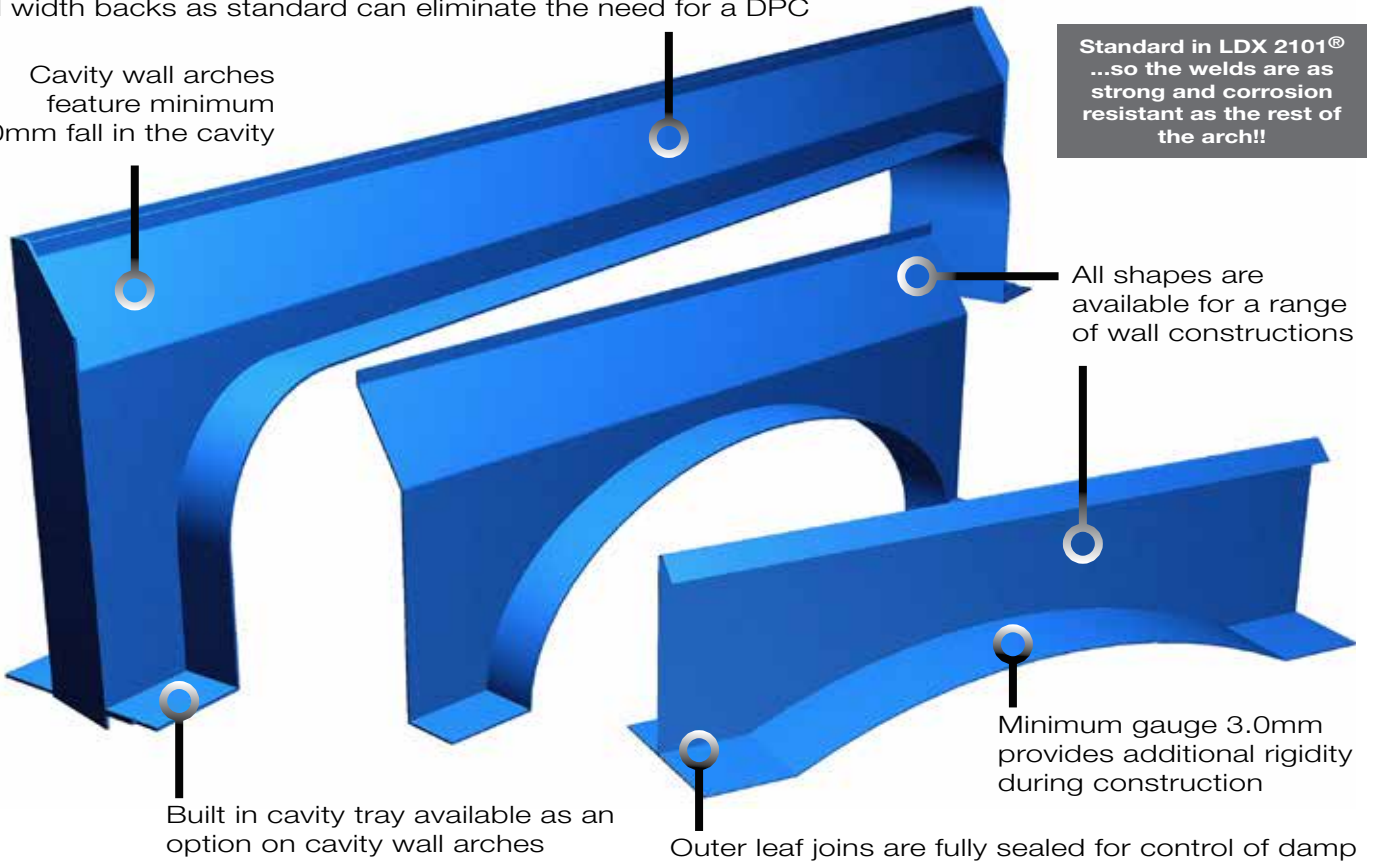
An almost unlimited range

Arch Lintels

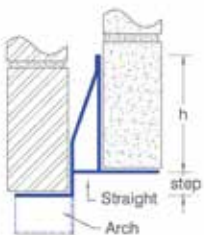
Full width backs as standard can eliminate the need for a DPC

Cavity wall arches feature minimum 150mm fall in the cavity

Standard in LDX 2101®
...so the welds are as strong and corrosion resistant as the rest of the arch!!

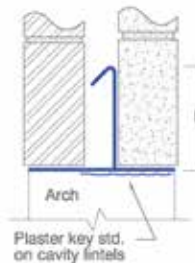


TYPICAL OPTIONS FOR ARCHES (sections at the apex shown)

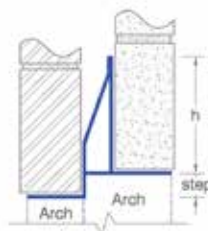


BOX INNER OPTION

Only the outer leaf is arched, the inner is a straight lintel across the top of the arch. Frequently specified together with a step as shown to accommodate box sash windows with an arch exterior

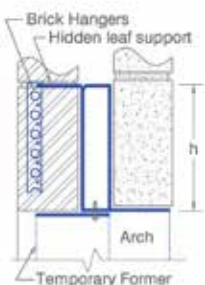


PLASTER KEY OPTION is supplied standard on cavity wall lintels, but part or full width plaster key is optional on all arches



OPTIONAL STEP

The inner arch is offset from (larger than) the outer arch. There is also the option of having the inner span larger than the outer to match, or taking the inner vertical at the edge of the span to meet the outer feet



FEATURE BRICK STEP

The outer leaf support of the arch is hidden in the masonry, instead of being visible on the inside of the arch. A temporary former supports the feature bricks during construction, and is later removed.



FAST ARCH OPTION

The arch is formed on the outer leaf and cavity only, the inner leaf runs straight across like a normal lintel

These lintels are designed specifically for manufacture in LDX2101® Stainless Steel. We have a separate range designed for manufacture in mild & 304 stainless steel. Visit www.lintels.co.uk for details.

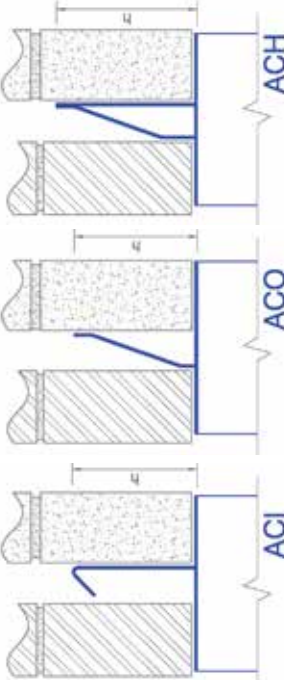
Arch Lintels

Cavity Wall Applications

Standard

Higher outer load

Heavy Duty



Lintel Designation:	AS/3	AS/4	AS/6	AD/3	AD/4	AD/6	AO/3	AO/4	AO/6	AOH/3	AOH/4	AOH/6	ACO/3	ACO/4	ACO/6	ACH/3	ACH/4	ACH/6
Lintel Gauge (mm):	3.0	4.0	6.0	3.0	4.0	6.0	3.0	4.0	6.0	3.0	4.0	6.0	3.0	4.0	6.0	3.0	4.0	6.0
Apex Depth 'h' (mm):	140	180	220	140	180	220	180	200	220	180	200	220	180	200	220	180	200	220
Load ratio/conditions:	-	N/A	-	2:1-1:2 for all	-	-	-	N/A	-	-	N/A	-	5:1-1:1 for all	5:1-1:1 for all	5:1-1:1 for all	5:1-1:5 for all	5:1-1:5 for all	5:1-1:5 for all
600	6.7	10.7	46.7	13.6	24.5	57.2	13.6	24.5	57.2	20.4	36.8	85.7	13.6	24.5	57.2	24.5	44.1	102.9
750	4.3	6.8	29.9	13.6	24.5	57.2	13.6	24.5	57.2	20.4	36.8	85.7	13.6	24.5	57.2	24.5	44.1	102.9
900	3.0	4.7	20.7	13.6	24.5	57.2	13.6	24.5	57.2	20.4	36.8	85.7	13.6	24.5	57.2	24.5	44.1	102.9
1050	2.2	3.5	15.2	13.6	24.5	57.2	13.6	24.5	57.2	20.4	36.8	85.7	13.6	24.5	57.2	24.5	44.1	102.9
1200	1.7	2.7	11.7	13.6	24.5	57.2	13.6	24.5	57.2	20.4	36.8	85.7	13.6	24.5	57.2	24.5	44.1	102.9
1350	1.3	2.1	9.2	13.6	24.5	57.2	13.6	24.5	57.2	20.4	36.8	85.7	13.6	24.5	57.2	24.5	44.1	102.9
1500	1.1	1.7	7.5	13.6	24.5	57.2	13.6	24.5	57.2	20.4	36.8	85.7	13.6	24.5	57.2	24.5	44.1	102.9
1650	1.4	6.2	24.5	13.6	24.5	57.2	13.6	24.5	57.2	20.4	36.8	85.7	13.6	24.5	57.2	24.5	44.1	102.9
1800	1.2	5.2	24.5	13.6	24.5	57.2	13.6	24.5	57.2	20.4	36.8	85.7	13.6	24.5	57.2	24.5	44.1	102.9
1950	4.4	3.8	24.5	13.6	24.5	57.2	13.6	24.5	53.5	20.4	36.8	85.7	13.6	24.5	57.2	24.5	44.1	102.9
2100	3.3	3.3	24.5	13.6	24.5	57.2	13.6	24.5	46.1	20.4	36.8	85.7	13.6	24.5	57.2	24.5	44.1	102.9
2250	2.9	2.9	24.5	13.6	24.5	57.2	13.6	23.9	40.2	20.4	36.8	85.7	13.6	24.5	57.2	24.5	44.1	99.6
2400	2.6	2.6	24.5	13.6	24.5	57.2	13.2	21.0	35.3	20.4	36.8	60.0	13.6	24.5	57.2	24.5	44.1	87.5
2550	2.3	2.3	24.5	11.7	18.6	31.3	11.7	18.6	31.3	20.4	34.9	53.1	13.6	24.5	57.2	24.5	44.1	77.5
2700	2.1	2.1	24.5	10.4	16.6	27.9	10.4	16.6	27.9	20.4	31.2	47.4	13.6	22.2	52.7	24.5	43.3	69.1
2850	1.9	1.9	24.5	11.5	21.6	40.5	14.9	25.1	42.5	18.5	28.0	42.5	13.6	20.0	47.3	24.5	38.9	62.0
3000	1.9	1.9	24.5	10.4	19.5	36.6	13.5	22.6	38.4	16.7	25.2	38.4	13.6	18.0	42.7	23.4	35.1	56.0
3150	1.9	1.9	24.5	17.7	33.2	33.2	12.2	20.5	34.8	15.2	22.9	34.8	13.6	16.3	38.7	21.3	31.8	50.8
3300	1.9	1.9	24.5	16.1	30.2	30.2	11.1	18.7	31.7	13.8	20.9	31.7	13.6	14.9	35.3	19.4	29.0	46.3
3450	1.9	1.9	24.5	14.8	27.7	27.7	10.2	17.1	29.0	12.6	19.1	29.0	13.6	13.6	32.3	17.7	26.5	42.3
3600	1.9	1.9	24.5	14.8	27.7	27.7	15.7	17.5	26.7	11.6	17.5	26.7	13.6	12.5	29.6	16.3	24.4	38.9
3750	1.9	1.9	24.5	14.8	27.7	27.7	14.5	16.2	24.6	10.7	16.2	24.6	13.6	11.5	27.3	15.0	22.5	35.8
3900	1.9	1.9	24.5	14.8	27.7	27.7	13.4	14.9	22.7	10.7	14.9	22.7	13.6	10.7	25.2	13.9	20.8	33.1
4050	1.9	1.9	24.5	14.8	27.7	27.7	12.4	13.9	21.1	11.9	18.3	29.5	13.6	9.9	23.4	12.9	19.3	30.7
4200	1.9	1.9	24.5	14.8	27.7	27.7	11.5	12.9	19.6	11.9	17.0	27.3	13.6	8.5	21.8	12.0	17.9	28.6

Heavy Duty

Higher outer load

Standard

Hollow/heavy duty

Single web

Double

Single

Light duty arches

Heavy Duty

Designed to support greater inner loads

Designed to support greater outer loads

Lintel requires top-edge restraint for full load

Lintel must be fully built in to achieve full load

Light duty arches

Heavy Duty

Designed to support greater inner loads

Designed to support greater outer loads

NOTES: These loads are valid for cavity sizes 50mm and wider (where applicable) and for masonry leaf widths 75-140mm. Other sizes can easily be designed. Loads presented are maximum permissible evenly distributed loads assuming a very flat arch and no composite action. Greater loads will frequently be possible for higher arches as the masonry becomes partially self-supporting.

Example Arch Types

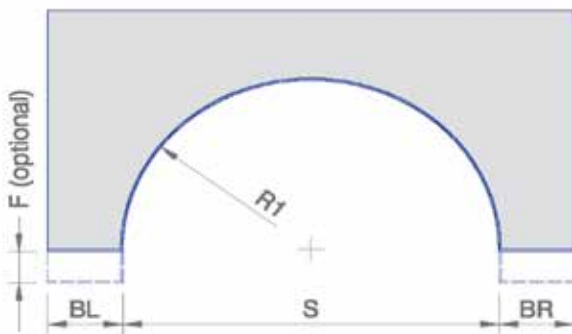
Arch Lintels

HOW TO SPECIFY OUR ARCH LINTELS

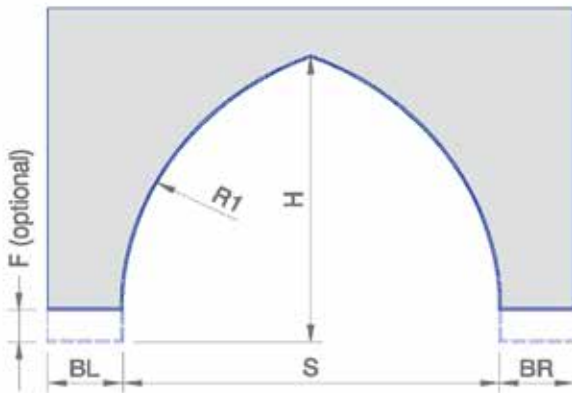
For ease of ordering, simply use our standard arch lintel order form opposite!

Note that only the most common arches are shown below, we can design and manufacture many other traditional arch styles and variations.

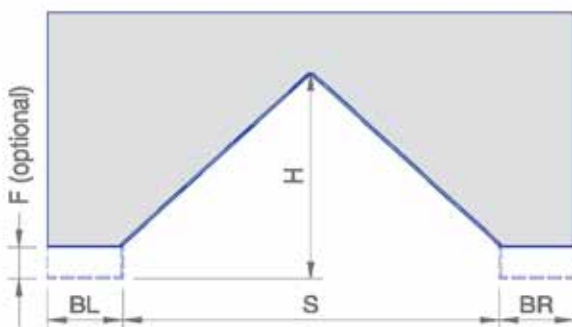
- Step 1. On page 59, select the appropriate letter designation for your wall
- Step 2. On Page 59, select the appropriate gauge for your applied load (you now have a section type and gauge specified, e.g.: "ACH/3")
- Step 3. Add the wall, arch type & dimensions (in mm, using this page)
e.g.: "ACH/3-100/100/140 SEGMENTAL BL&BR=150 H=90 S=1100"
- Step 4. Any unusual features such as steps or feature brick can be added with notes.



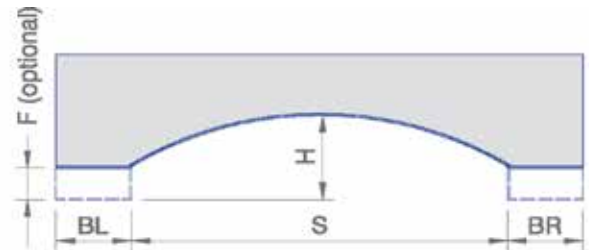
Semicircular Arch



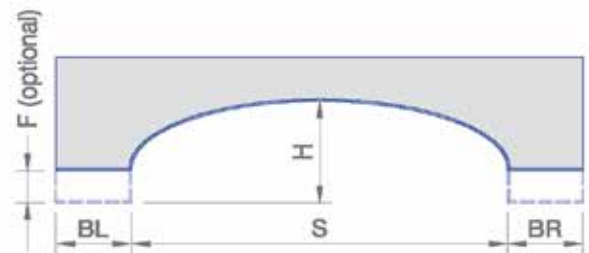
Gothic Arch



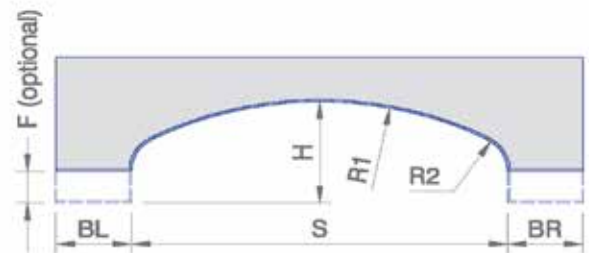
Apex Arch



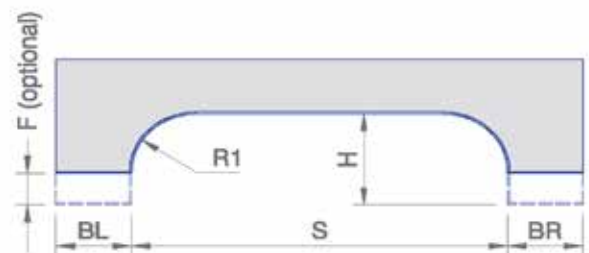
Segmental Arch



Elliptical Arch



3-Centre Arch



Radius Corner Arch

We can manufacture many variations of these lintels, supplied as standard in LDX2101® Stainless Steel.
Call 01206 79 2001 to inquire or visit www.stainless-lintels.co.uk

Arch Lintels

Customer Shipping Details

This form is submitted as a (tick): Request for quote: An order:

Customer/Company: _____ Account Ref (if known): _____
 Contact Person: _____ Purchase order or Ref: _____
 Phone Number: _____
 Delivery Address: _____ Invoice address: _____

Arch Type & Dimensions

Arch Shape (tick one)	Dimensions (mm)	Section Type (tick one)	Gauge (tick one)	Number of Required:
Semi Circular <input type="checkbox"/>	S= _____	AS <input type="checkbox"/>	/3 <input type="checkbox"/>	<input type="text"/> (Use a new form for each lintel type)
Segmental <input type="checkbox"/>	H= _____	AD <input type="checkbox"/>	/4 <input type="checkbox"/>	
Elliptical <input type="checkbox"/>	BL= _____	AO <input type="checkbox"/>	/6 <input type="checkbox"/>	
Gothic <input type="checkbox"/>	BR= _____	AOH <input type="checkbox"/>	Custom <input type="checkbox"/> Specify in notes	
3-Centered <input type="checkbox"/>	R1= _____	ACI <input type="checkbox"/>		
Apex <input type="checkbox"/>	R2 ⁱ = _____	ACO <input type="checkbox"/>		
Arched Corner <input type="checkbox"/>	F ⁱⁱ = _____	ACH <input type="checkbox"/>	Wall Construction	
Other (sketch) <input type="checkbox"/>		Special (sketch) <input type="checkbox"/>	mm/ mm/ mm (Outer) / (Cavity) / (Inner)	

Plaster Key Options (tick one)

Under the inner leaf
 Under the inner & cavity
 Full width plaster key
 NO plaster key
 Other (specify in notes)

Material Options (tick one)

LDX 2101 Stainless Uncoated S275JR
 Grade 304 Stainless Hot Dip Galv. S275JR
 SS370 Stainless G600 Pre-Galv. S280
 Other or Mix (specify in notes)

Note: Safe loads in this catalogue only apply to LDX 2101 & SS370

Cavity Tray Option tick if required:
 (Only for lintels in a cavity wall)

Box Inner Option tick if required:
 (Usually with a step; see page 64)

False Arch Option tick if required:
 (Often with a step; see page 64)

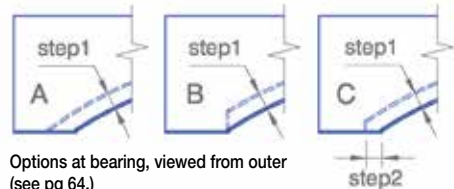
Feature Brick Options

Tick for feature brick
 Brick height f: mm

Note: Feature Brick can be combined with a step and other features, see p64 for details.

Other Step Options

Outer Step? (tick)
 Bearing Option: A, B or C (see right >)
 Step 1: mm
 Step 2: mm



SKETCH & NOTES (if required)

We draw your lintel based on this information and send it to you for type & dimensional approval prior to manufacture as a final check.

ⁱ R2 is only required for arches of 2 or more radii. For 3-center arches only two of R1, R2 & S are required ⁱⁱ F is optional (may be zero)
ⁱⁱⁱ IMPORTANT: The load tables in this catalogue are only valid for LDX 2101® & SS370, other materials may have lower capacity, contact us for details if required.